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MEMORANDUM

DATE: December 22, 2000
TO: Mal Murphy [malmurphy@home.com]
CC: Danielle Fife [dfife@nrff.com]
RE: **ABSTRACTED MODEL AMR Reviews**
Physical and Chemical Environmental Abstraction Model
ANL-EBS-MD-000046

Key Items are:

1. p. 10, Section 6, Paragraph 2. This AMR is just an abstraction, or in this case a qualitative summary, of a whole bunch of other AMRs. It doesn't really say anything itself.
2. p. 12, Section 6.2.1. Identifies components of drifts as metal waste packages, invert, titanium alloy drip shield, and backfill initially filling most of the drifts. **The drift schematic shown in Figure 1 (p. 13) does not contemplate significant natural or forced ventilation, or Richard's barrier.**
3. p. 23, Section 6.5.2.1, Paragraph 2. **Parameter values for Precipitates/Salts Analysis are based on average J-13 well water composition. Although this paragraph mentions some of the problems, it states, "If necessary, additional precipitates/salts analyses should be done to extend the ranges of in-drift variables covered." Such analyses should definitely be done.**

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